

## K-12 Energy Education Resources

Organization	Contact Information	Website	Teacher Training	Curriculum Resources	Michigan Field Trip Options	Notes
<b>Alliance To Save Energy</b>	1200 18th St. Suite 900 Washington, D.C. 20036 (202)857-0666 greenschools@ase.org	<a href="http://www.ase.org">www.ase.org</a>		✓		They offer free hands-on, multidisciplinary educator lesson plans for elementary, middle and high school.
<b>Consumers Energy</b>	Lansing, MI 48937-0001 (800)477-5050 education@consumersenergy.com	<a href="http://www.consumersenergy.com">www.consumersenergy.com</a>		✓		They offer: 1) Lesson plans, teacher guides and activities designed to help teach students about gas and electric safety, conservation, recycling and environmental awareness and protection and 2) Classroom programs.
<b>Creative Change</b>	Susan Santone 2299 Miles St. Ypsilanti, MI 48198-4017 (734)482-0924 info@creativechange.net	<a href="http://www.creativechange.net/">www.creativechange.net/</a>	✓	✓		1) They provide professional development and curriculum for K-12 schools, 2) They develop courses and provide consulting for higher education institutions and 3) They create educational programs in partnership with nonprofit and governmental organizations.
<b>E.E.K! Sustainable Futures Group</b>	<a href="mailto:D.Jones@sustainablefutures@hotmail.com">D Jones sustainablefutures@hotmail.com</a>		✓	✓		Energy Education Kit Project (E.E.K!) offers a K-12 energy education curriculum module set and pilot teaching and learning program that emphasizes renewable and sustainable forms of energy.
<b>Energy Information Administration</b>	Stacy MacIntyre 1000 Independence Ave, SW Washington, D.C. 20585 (202)586-9795 stacy.macintyre@eia.doe.gov	<a href="http://www.eia.doe.gov">www.eia.doe.gov</a>		✓		They offer a selection of stories, hands-on activities and research articles for students of all learning styles and levels.
<b>Great Lakes Renewable Energy Association</b>	257 South Bridge Street PO Box 346 Dimondale, MI 48821 (517)646-6269 info@glrea.org	<a href="http://www.glrea.org">www.glrea.org</a>	✓	✓		GLREA has worked with the DOE and DTE to provide the Solar Schools Program to Michigan schools. They are working with MDEQ's energy curriculum module for teacher training.
<b>Kid Wind</b>	2093 Sargent Ave. Saint Paul, MN 55105 (781)354-2452	<a href="http://www.kidwind.org">www.kidwind.org</a>	✓	✓		They offer: 1) Kits to build wind turbines in the classroom, 2) PowerPoint presentations about wind energy for the classroom, and 3) Workshops for teacher and others who are interested.

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<b>Michigan Department of Environmental Quality - Michigan Environmental Education Curriculum Support (MEECS)</b>	Thomas Occhipinti, DEQ Environmental Education Coordinator occhipit@michigan.gov	<a href="http://www.michigan.gov/deq-meecs">www.michigan.gov/deq-meecs</a>	✓			As a result of the Clean Michigan Initiative Funds, DEQ has worked with the Dept. of Education to develop and disseminate sound science-based supplementary environmental curriculum materials for Michigan educators. The Energy Resources unit covers topics such as energy consumption and use, electricity generation, renewable and non-renewable energy resources, energy conservation and efficiency, pollution prevention, ecological footprint, stewardship and sustainability.
<b>Michigan Biomass Energy Curriculum</b>		<a href="http://www.macd.org/macd_biomass.html">www.macd.org/macd_biomass.html</a>	✓			The Michigan Association of Conservation Districts (MACD) has created this curriculum to educate students about alternatives to conventional energy sources and how their choices can affect our environment.
<b>NEED National Energy Education and Development Project</b>	Keith Etheridge keith.etheridge@comcast.net or The NEED Project 8408 Kao Circle Manassas, Virginia 20110 (703)257-1117 info@need.org or Mary Spruill, Program Director mspruill@need.org	<a href="http://www.need.org">www.need.org</a>	✓	✓		NEED partners with DOE's Rebuild America and Energy Smart Schools programs by providing energy curriculum materials. They offer: 1) Workshops in energy for educators teaching K-12, and 2) an energy education curriculum.
<b>Northern Options</b>	Northern Options, P.O. Box 655 Marquette, MI 49855 emily@northernoptions.org	<a href="http://www.northernoptions.org">www.northernoptions.org</a>	✓	✓		A recent project is the Student Biodiesel Research program where Northern Options has teamed up with Marquette High School. The school busses will use biofuel for six weeks and the students will be doing emissions tests to see how clean biofuel burns compared to regular diesel. They also offer tours of an energy efficient home.
<b>National Renewable Energy Laboratory</b>	Education Programs (303)275-3660	<a href="http://www.nrel.gov/education/resource.html">www.nrel.gov/education/resource.html</a>	✓			They offer 4-12th grade programs such as the National Middle School Science Bowl, Junior Solar Sprint/Hydrogen Fuel Cell Car Competition and a High School Science Bowl.

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<b>Power Shift DVD</b>	Worldlink 38 Keyes Avenue, Box 17 San Francisco, CA 94129 (415)561-2141 info@powershiftnow.org	<a href="http://www.powershiftnow.org">www.powershiftnow.org</a>	✓			This is a 26minute DVD that targets middle school to high school students and features Cameron Diaz. Power Shift also offers accompanying curriculum.
<b>Project Learning Tree</b>	Kathy Fischer Binder Park Zoo 7400 Division Drive Battle Creek, MI 49014 (269)979-1351 kfischer@binderparkzoo.org or Ada Takacs Michigan DNR Forest, Mineral and Fire Management Division 8717 North Roscommon Rd. Roscommon, MI 48653 (989)275-5151 ext 2049 takacs@michigan.gov	<a href="http://www.plt.org">www.plt.org</a>	✓			They offer a pre-K-8 Environmental Education curriculum guide which covers such topics as water and air quality, ecology, urban environments, and recycling.
<b>Solar Now</b>	100 Sohler Rd. The Sunroom Beverly, MA 1915 (978)927- 9786 solarnow@comcast.net	<a href="http://www.solarnow.org/renergyfr.htm">www.solarnow.org/renergyfr.htm</a>	✓			They provide a curriculum framework which includes 1) Lists for educational goals for teachers, 2) Guides for teachers to create their own curricula, instructional material kits, assessment instruments and professional development activities, and 3) Empowerment Instruments for teachers and administrators.
<b>Upland Hills Ecological Awareness Center</b>	2375 Indian Lake Rd. Oxford, MI 48370 (248)693-1021 uheac@earthlink.net	<a href="http://www.uheac.org">www.uheac.org</a>			✓	They offer: 1) On-site tours or off-site presentations that include interactive, multi-media and hands-on demonstrations tailored for both adult and youth groups and 2) Eco-badge for Girl Scouts/ Energy Merit Badge for Boy Scouts.
<b>Urban Options</b>	405 Grove Street E. Lansing, MI 48823 (517)337-0422	<a href="http://www.urbanoptions.org">www.urbanoptions.org</a>	✓	✓		They offer tours of their energy Demonstration House, school programs, and energy lessons for youth. They provide a hands-on presentation to school age children where they will learn ways to save energy.